

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: ArrowCreek Country Club
2905 ArrowCreek Parkway
Reno, Nevada 89511

Permit Number: NEV97004

Description of Discharge Reuse irrigation

Location: ArrowCreek Golf Courses- The Challenge and The Legend
2905 ArrowCreek Parkway
Reno, Washoe County, Nevada
Latitude: 39° 27' 30"N; Longitude: 119° 44' 30"W
T. 18N., R. 19E., Sections 14, 23, 24 and 26 MDB&M.

Characteristics: The permit authorizes the continued reuse of tertiary treated, denitrified, disinfected effluent supplied by the South Truckee Meadows Water Reclamation Facility (STMWRF NEV40024) for use in landscape and turf grass irrigation of the ArrowCreek golf courses in southwest Reno, Nevada. The effluent is delivered by the Washoe County owned dedicated effluent (reuse) pipeline from the STMWRF to the onsite two million gallon storage tank (reservoir) at the ArrowCreek property. Reuse application is in accordance with the terms and conditions of the permit and the approved Effluent Management Plan.

Flow: 1.50 MGD, 30-day Average; 1.7 MGD Daily Maximum; 750 Acre Feet per Year

Effluent Limitations:

Coliform:

Total Coliform:* 2.2 CFU/MPN/100 ml 30 day average, 23 CFU/MPN/100 ml daily max.

CFU = Colony Forming Unit; MPN = Most Probable Number ML = Milliliter

* Sample results are obtained from STMWRF (# NEV40024)

Groundwater monitoring is no longer required due to the quality of the effluent from STMWRF, and the depth to groundwater is from 100 - 200 feet.

General: The applicant reuses tertiary treated, denitrified and disinfected effluent provided by the South Truckee Meadows Water Reclamation Facility for turf grass and landscape irrigation of the ArrowCreek golf courses. Application is by drip and spray irrigation as authorized by the permit and Effluent management Plan. Runoff from the reuse site is prohibited. The permit renewal is for a five (5) year period. The STMWRF facility provides reclaimed water that meets Category A quality per NAC 445A.276, and is denitrified below 10 mg/l N.

Receiving Water Characteristics: The receiving water is the groundwater underlying the reuse sites. Groundwater in the area is 90' to 200' deep, and is of good quality, meeting Nevada State Drinking water standards. No adverse effects are expected to occur as a result of this seasonal (April - November) effluent reuse. Effluent may be blended with creek water at STMWRF to meet seasonal irrigation demands.

Procedures for Public Comment:

The notice of the Division's intent to reissue this permit authorizing the use of treated effluent for landscape irrigation is subject to the conditions contained within the permit, is being sent to the **Reno Gazette-Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice, by July 23, 2008. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of U.S. EPA Region IX or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing scheduled by the Administrator must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit for a five (5) year term.

Schedule of Compliance

- a. The Permittee shall achieve compliance with the effluent flow and other monitoring requirements upon issuance of the permit.
- b. Any revisions to the approved Effluent Management Plan (EMP) shall be submitted within 90 days of permit issuance. One copy shall be submitted to Diana Silsby of the NDEP, BWPC, at 901 South Stewart Street, Suite 4001, Carson City, NV 89701.
- c. **The Permittee shall submit an annual report each year of the cross-connection control documentation, as required by Part I.B.11 of the permit, with the 4th Quarter Report. The report shall document the cross-connection control inspections, including the annual shut down tests for the permitted site which shall be conducted by an AWWA Certified Cross-Connection Control Specialist in conjunction with the Washoe County/Truckee Meadows**

Water Authority Back Flow Prevention and Cross-Connection Control Staff.

There are no special conditions.

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Rationale for Permit Requirements

Monitoring documentation is required to assess the quantity of the effluent being used for irrigation - to confirm the quality, Class A effluent, and to track on the acre feet per year authorized for use by Washoe County and the EMP.

Prepared by: Icyl C. Mulligan
 May, 2008

C.:\\ArrowCreekGC.Reuse.fac08